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(71) Applicant: NEC CORPORATION
Tokyo (JP)

(72) Inventor:
Kaku, Tomoya,
c/o NEC Corp.
Tokyo (JP)

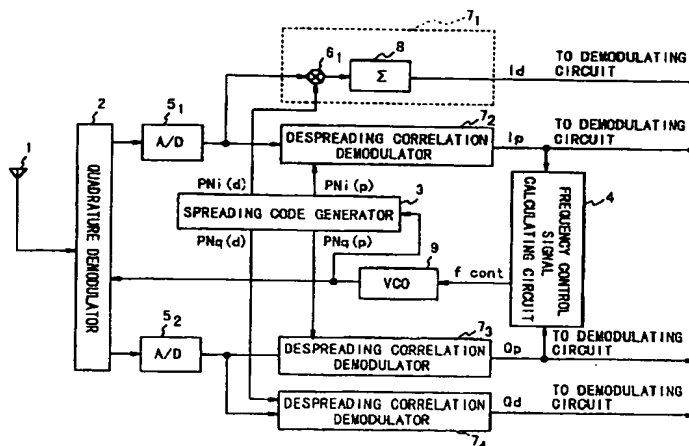
(74) Representative:
VOSSIUS & PARTNER
Siebertstrasse 4
81675 München (DE)

(54) Spread spectrum signal receiving apparatus

(57) A receiving apparatus in a spread spectrum system includes a quadrature-demodulating section (2) for demodulating a received signal in accordance with a clock signal to generate first and second quadrature components of components of a pilot signal and a spreading code generating section (3) for generating a spreading code sequence which is the same as used on a transmission side, for each of the information signal first and second quadrature components and pilot signal first and second quadrature components in response to the clock signal. A despreading section (7₁ to 7₄) despreads each of the information signal first and

second quadrature components and pilot signal first and second quadrature components by use of the corresponding generated spreading code sequence. A clock signal generating section (9) generates the clock signal in accordance with a frequency control signal to supply the clock signal to the quadrature-demodulating section and the spreading code generating section. A frequency control signal generating section (4) generates the frequency control signal from the despread pilot signal first and second quadrature components.

Fig. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 96 10 8922

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A, D	PATENT ABSTRACTS OF JAPAN vol. 015, no. 288 (E-1092), 22 July 1991 (1991-07-22) -& JP 03 101534 A (HITACHI ZOKEN CORP), 26 April 1991 (1991-04-26) * abstract *	1, 12	H04B1/16 H04J13/02 H04B1/707
A	DOI N ET AL: "DS/CDMA PROTOTYPE SYSTEM TRANSMITTING LOW BIT-RATE VOICE AND HIGH BIT-RATE ISDN SIGNALS" PROCEEDINGS OF THE VEHICULAR TECHNOLOGY CONFERENCE, STOCKHOLM, JUNE 8 - 10, 1994, vol. 1, no. CONF. 44, 8 June 1994 (1994-06-08), pages 51-55, XP000496632 INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS * paragraph '03.3! * * paragraph '03.4!; figure 3 *	1, 12	<div>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</div> <div>H04B H04N</div>
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 September 1999	Examiner Wanzeele, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82